

PROJECT NUMBER: 5001

PROJECT TITLE: PACKAGING STUDIES

PROJECT LEADER: H. R. DUNAWAY

PERIOD COVERED: OCTOBER, 1985

Objective:

Assist New Products Directorate in evaluating new packaging concepts and products, and provide technical packaging support to Manufacturing, Manufacturing Services, Engineering, Purchasing, and Quality Assurance.

Status/Plans:

A. Packaging Studies

- ° Project Fresh: Completed an evaluation of nine variations of FTB blank substrate combinations to determine if any provide additional moisture loss protection. Report is in progress.
- ° Shelf Life Study: A shelf life study is in progress in conjunction with the evaluation of Allied Corp.'s Lifelines Inventory Management System and 3M's Monitor Mark time/temperature indicators. Use of the Lifelines System as a tool for predicting menthol migration is also being investigated.
- ° Project LAB: The most recent LAB samples were processed at higher temperatures in an attempt to drive off any volatiles which may have contributed to the metallic off-taste associated with previous samples. Cigarettes were packed in these boxes and stored under Desert conditions along with a soft pack control for one week. Although no metallic off-taste was detected by the Flavor Development Smoking Panel, the test cigarettes were judged to be significantly different than the controls and characterized as harsher and peppery with increased impact. Testing is currently being planned to determine if a chemical process such as fermentation is taking place.

B. Storage Studies in Progress

- ° Concord 85 Regular. Complete 11/5/85.
- ° B&H Deluxe Lts. Regular. Complete 11/1/85.
- ° Marlboro Standardization Run 2. Complete 11/7/85.
- ° B&H Deluxe Lts. Menthol. Complete 11/1/85.
- ° Players Lts. Menthol 85 & 100. Complete December 1986.
- ° Concord 85 Menthol. Complete 12/19/85.
- ° Mentholated Foam Binder. Complete April 1986.

C. Storage Studies Completed

- ° Lark Super Lights - report in progress
- ° Byzantium - report in progress
- ° Extruded Tobacco Rods - report in progress

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